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## **(54) TRANSMISSION POWER CONTROL METHOD, CELLULAR RADIO SYSTEM MOBILE STATION AND BASE STATION**

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce problems such as erroneously interpreting received control information by transmitting information belonging to a control field with power different from real data to be transmitted.

SOLUTION: This system is provided with first and second devices and a two way data transmission connection for sending user data and control information from the second device to the first device. In this case, first, second and third transmission power levels are determined. By applying the second transmission power level to the transmission of a first control information field and applying the third transmission power level to the transmission of a second control information field, the frame of data is transmitted from the second device to the first device. Concerning the mobile station and base station of a cellular radio system, these mobile station and base station are functioned as first and second devices by this method.

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